12DZ6

REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

For use in automobile radio receivers operating directly from 6-cell storage-battery systems

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:		
Voltage range (DC)	10 to 15.9	volts

For longest life, it is recommended that the heater be operated within the voltage range of 11 to 14 volts.

Current (Approx.) at 12.6 volts	0.19	amp
Direct Interelectrode Capacitances:°		
Grid No.1 to plate	0.05 max.	μμf
Grid No.1 to cathode, grid No.3 & internal shield, grid No.2, and heater	9.5	μμf
Plate to cathode, grid No.3 & internal shield, grid No.2, and heater	4	μμf

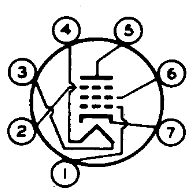
Characteristics, Class A_1 Amplifier:

Heater Voltage	12.6	volts
Plate Voltage	12.6	volts
Grid No.3 and Internal Shield	*Connected to cathode at socket*	
Grid-No.2 Voltage	12.6	volts
Grid-No.1 Supply Voltage	0	volts
Grid-No.1 Resistor (Bypassed)	10	megohms
Grid-No.3 Resistor (Bypassed)	10	megohms
Plate Resistance (Approx.)	25000	ohms
Transconductance	3800	μmhos
Plate Current	4.5	ma
Grid-No.2 Current	2.2	ma
Grids No.1 and No.3 Supply Voltage (Approx.) for transconductance, grid No.1 to plate (μmhos) = 10	-10	volts

Mechanical:

Operating Position	Any
Maximum Overall Length	2-1/8"
Maximum Seated Length	1-7/8"
Length, Base Seat to Bulb Top (Excluding tip)	1-1/2" ± 3/32"
Diameter	0.650" to 0.750"
Dimensional Outline	*See General Section*
Bulb	T5-1/2
Base	Small-Button Miniature 7-Pin (JEDEC No.E7-1)
Basing Designation for BOTTOM VIEW	7BK

Pin 1 - Grid No.1
Pin 2 - Grid No.3, Internal Shield
Pin 3 - Heater



Pin 4 - Heater
Pin 5 - Plate
Pin 6 - Grid No.2
Pin 7 - Cathode

° Without external shield.

ELECTRON TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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AMPLIFIER — Class A_1

Maximum Ratings, *Design-Maximum Values:*

PLATE VOLTAGE	16 max.	volts
GRID No.3 (SUPPRESSOR GRID)	*Connect to cathode at socket*	
GRID-No.2 (SCREEN-GRID) VOLTAGE	16 max.	volts
GRID-No.1 (CONTROL-GRID) VOLTAGE:		
Positive-bias value	0 max.	volts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	16 max.	volts
Heater positive with respect to cathode	16 max.	volts

Maximum Circuit Values:

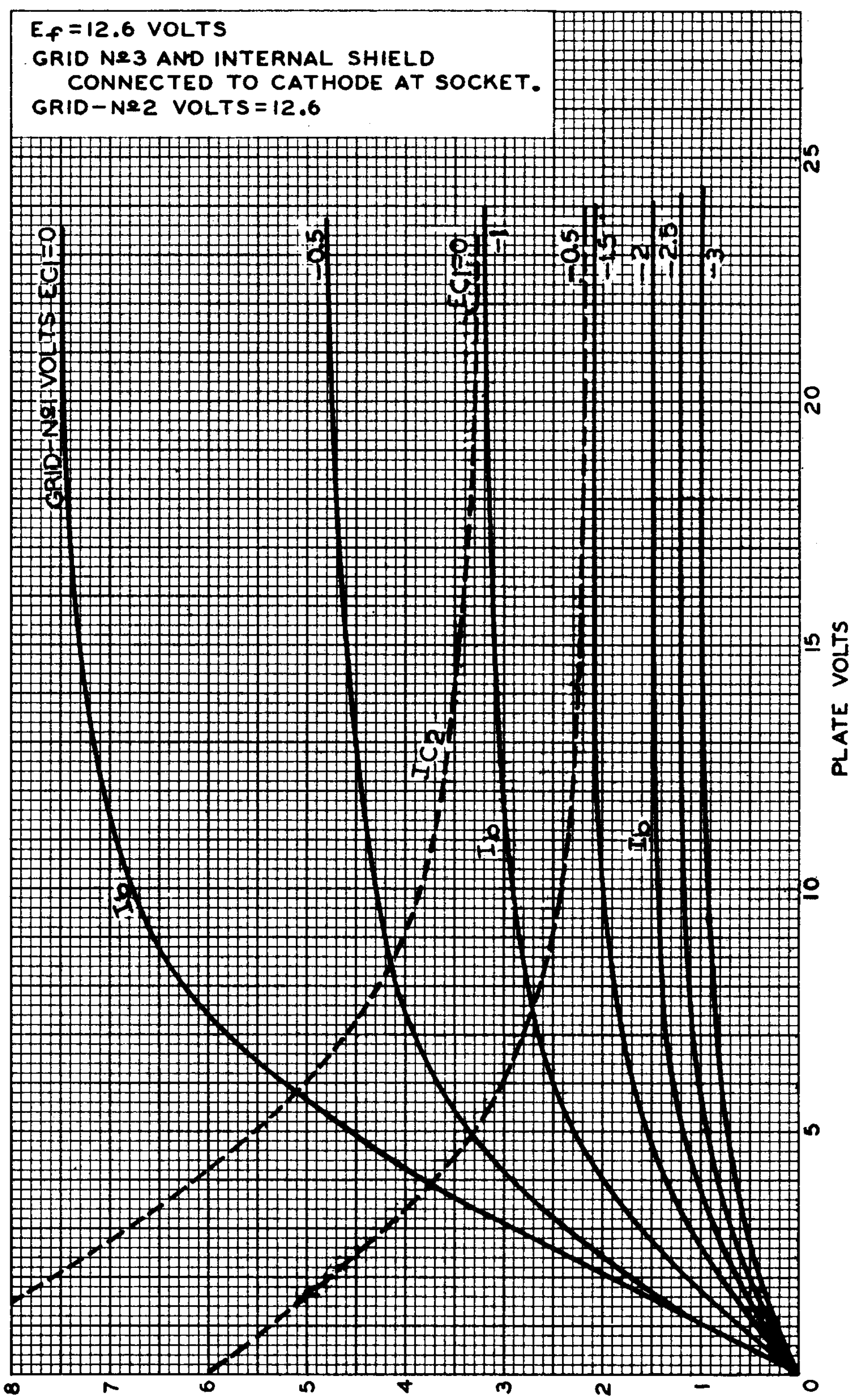
Grid-No.1-Circuit Resistance	10 max.	megohms
Grid-No.3-Circuit Resistance	10 max.	megohms

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AVERAGE CHARACTERISTICS

12DZ6

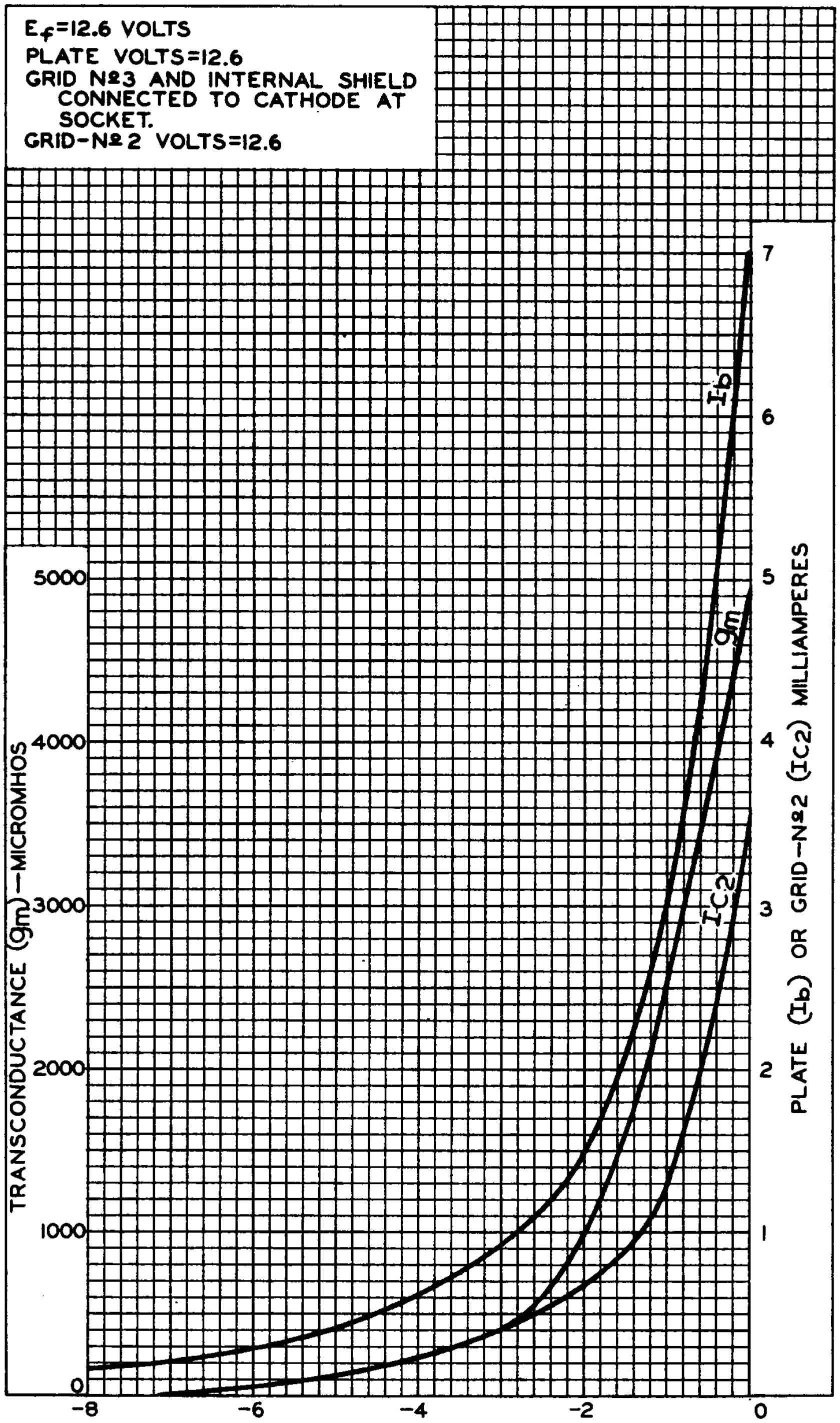


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AVERAGE CHARACTERISTICS



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